

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference ACEEC/ P32758PC	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/000878	International filing date (<i>day/month/year</i>) 08/03/2005	(Earliest) Priority Date (<i>day/month/year</i>) 08/03/2004
Applicant ACETATE PRODUCTS LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A process for making a crimped tow of filaments suitable for forming a bale of crimped tow for conversion to cigarette filter rods comprising, presenting an uncrimped tow of filaments in a banded condition, adhesively bonding to the filaments of the banded tow (3), porous particles having absorbent surfaces imparting filtration capacity for tobacco smoke constituents, and crimping the banded tow, wherein the process comprises the steps, of:

- (i) pre-treating the particles to load them with a material capable of generating a gaseous emission from the particles thus forming pre-treated particles;
 - (ii) applying to the filaments of the banded tow, the pre-treated particles and an adhesive for bonding the particles to the filaments; and subsequently (iii) treating the tow to generate the gaseous emission from the pre-treated particles so as to limit deactivation of the absorbent particle surfaces by the adhesive.
- Figure 1

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000878

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A24D3/16 A24D3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A24D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 896 599 A (EASTMAN KODAK CO) 16 May 1962 (1962-05-16) page 1, line 53 - page 2, line 26 example 5	1,4-7, 18,23, 25,26, 31,32
X	US 3 043 736 A (TOUEY GEORGE P) 10 July 1962 (1962-07-10) column 4, line 15 - line 27 example IV	1,4-9, 11-14, 18,26, 31,32
X	US 3 413 982 A (SUBLETT BOBBY J ET AL) 3 December 1968 (1968-12-03) column 4, line 9 - line 27 ----- -/--	27

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

5 August 2005

Date of mailing of the international search report

12/08/2005

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Lepretre, F

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000878

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 073 896 A (PHILIP MORRIS INC) 28 June 1967 (1967-06-28) page 4, line 34 - line 80; example 1 -----	33
X	US 3 837 264 A (SEXSTONE J,US) 24 September 1974 (1974-09-24) column 3, line 55 - column 5, line 9; claim 13; figure 4 -----	34-36
A	US 3 217 715 A (BERGER RICHARD M ET AL) 16 November 1965 (1965-11-16) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000878

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 896599	A	16-05-1962	CH 394914 A	30-06-1965
US 3043736	A	10-07-1962	BE 670052 A	17-01-1966
			BE 670952 A	
			NL 6514979 A	13-06-1966
US 3413982	A	03-12-1968	NONE	
GB 1073896	A	28-06-1967	US 3347247 A	17-10-1967
			AT 267389 B	27-12-1968
			BE 778596 A7	27-07-1972
			CH 450261 A	15-01-1968
			DE 1517314 A1	11-12-1969
			FI 48240 B	30-04-1974
			FR 1444047 A	01-07-1966
			IL 23459 A	27-02-1969
			NL 6506033 A ,B	15-11-1965
			NO 122058 B	10-05-1971
US 3837264	A	24-09-1974	AU 465966 B2	09-10-1975
			AU 6317173 A	05-06-1975
			BE 810696 A1	29-05-1974
			CA 999207 A1	02-11-1976
			CH 577279 A5	15-07-1976
			DE 2421848 A1	16-01-1975
			FI 58718 B	31-12-1980
			GB 1431625 A	14-04-1976
			IT 1011024 B	20-01-1977
			JP 967488 C	26-07-1979
			JP 49134900 A	25-12-1974
			JP 53039520 B	21-10-1978
			NL 7405354 A	11-11-1974
			ZA 7308776 A	30-10-1974
US 3217715	A	16-11-1965	NONE	